



# SENTRY INDUSTRIES INC.



## MATERIAL SAFETY DATA SHEET

### SECTION 1 IDENTIFICATION

Product Name: Stabilizer  
 Chemical Name/Synonyms: Cyanuric Acid, Isocyanuric Acid, Triacyanic acid  
 Manufacture: Chem One, Inc. 8017 Pinemont Drive #100, Houston, TX 77040-6519  
 Phone Number: (713) 896-9966 Emergency (703) 527-3887  
 Distributor: Sentry Industries, Inc. 5687 NW 36th Ave. Miami, Fl. 33142  
 Telephone: (305) 638-0800 (954) 527-4000 (800) 227-2047

### SECTION 2 COMPOSITION / INGREDIENTS

Ingredient (s):	%	CAS NO.
Iscyanuric acid (C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub> )	98% wt	108-80-5
Inert Ingredients	2% wt	

### SECTION 3 HAZARDS IDENTIFICATION

#### Health Effects of Overexposure:

**Eye Contact:** Exposure to particulates may cause mild irritation of the eyes with symptoms such as stinging, tearing and redness.

**Skin Contact:** May cause mild skin irritation and redness. Repeated or prolonged contact may cause dermatitis.

**Inhalation:** Breathing dusts or particulates can lead to irritation of the nose, throat, or respiratory system. Symptoms of severe inhalation overexposure may include burning sensation, coughing, wheezing, shortness of breath, headache, nausea and vomiting.

**Ingestion:** Ingestion can irritate the tissues of the mouth, esophagus, and other tissues of the digestive system. Symptoms of exposure can include vomiting, diarrhea and nausea.

**CAUTION!** May be harmful if inhaled or ingested. May cause eye, skin and respiratory irritation. Avoid breathing dusts or fumes. Avoid contact with eyes, skin and clothing. Keep container closed. Use only with adequate ventilation. Do not take internally. Wash thoroughly after handling.

### SECTION 4 FIRST AID

#### Emergency and First Aid Procedures:

**Eye Contact:** Irrigate with water for at least 15 minutes, including under eyelids. Get medical attention if irritation persists or develops.

**Skin Contact:** Remove contaminated clothing. Flush affected area with large amounts of soap and water for at least 20 minutes. Get medical attention if irritation develops.

**Inhalation:** Remove victim to fresh air. Apply artificial respiration if victim is not breathing. Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other respiratory medical device. Administer oxygen if breathing is difficult. Get immediate medical attention.

**Ingestion:** DO NOT INDUCE VOMITING. Have victim rinse mouth, if person is conscious. Never give anything by mouth to an unconscious person. Contact a physician or poison control center if

adverse affects occur.

**Not to  
Physician:**

Treatment is symptomatic and supportive. There is no specific antidote.

## SECTION 5 FIREFIGHTING MEASURES

Flash Point:	Non-flammable	Flammable Limits:	NA
Extinguishing Media:	Use extinguishing media suitable for surrounding materials.		
Special Fire Fighting Procedures:	Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus and full protective clothing. Evacuate area of unprotected personnel. Isolate the hazard area and deny unnecessary entry.		
Unusual Fire & Explosion Hazards:	Non-combustible.		
Additional Information:	When heated to decomposition product emits toxic fumes of Isocyanuric Acid gas, carbon monoxide, carbon dioxide and nitrogen oxides.		
	Fire Rating System:	<u>NFPA</u>	<u>HMIS</u>
	BLUE (HEALTH):	2	2
	RED (FIRE):	1	1
	YELLOW (REACTIVE):	0	0
	OTHER HAZARDS (WHITE)		

## SECTION 6 ACCIDENTAL RELEASE MEASURES

Steps to be taken if material is Released or Spilled:	Sweep or shovel up and place into suitable container, avoid dust formation.
Waste Disposal Methods:	Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste.
Additional Information:	Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

## SECTION 7 HANDLING & STORAGE

Precautions to be taken in Handling and Storage: Store in closed containers. Store in a cool dry area away from base chemicals. Suggested storage temperature < 25°C. Protect from physical damage. Utilize local exhaust if a dusty condition exists. Do not eat, drink, or smoke in handling area.

## SECTION 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

Respirator Protection:	If dusty conditions exist, use NIOSH approved respirator or an air-purifying respirator.
Ventilation:	Local exhaust ventilation - personnel should not be exposed to effects of the dust.
Eye Protection:	If exposed to dust, wear chemical goggles. Do not wear contact lenses. Eye wash stations should be located in immediate area.
Other Protective Equipment:	Wear full work clothing, including long sleeved shirt and trousers for routine product-handling use. Cotton gloves are usually adequate for dry product.

## SECTION 9 PHYSICAL & CHEMICAL PROPERTIES

Physical State:	Solid	Spec Gravity:	1.768
pH:	4.8 (saturated aqueous solution)	Solubility in Water	0.3g/100 mL @ 25°C
Appearance and Odor:	White to pale brown granules, odorless		
Boiling Point:	Sublimes at 625°F	Freezing Point:	320 -330°C
Vapor Pressure (mm Hg):	NA	Vapor Density:	NA

**SECTION 10 STABILITY & REACTIVITY**

Stability:	Stable but hygroscopic, may absorb moisture from air.
Incompatibility (Materials to Avoid):	Reaction with oxidizers and alkalis evolves heat of neutralization.
Hazardous Decomposition Products:	Heating to decomposition, product emits toxic fumes of Isocyanuric acid gas, nitrogen oxides and carbon oxides.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	Moisture, heat and incompatible materials.

**SECTION 11 TOXICOLOGICAL INFORMATION**

Threshold Limit Value:	No ACGIH, NIOSH, or OSHA guidelines listed for this product.
Carcinogenicity:	Not known to be a carcinogen. Not classified by IARC, NTP, OSHA or EPA.

Exposure limits for Particulates Not Otherwise Classified (PNOC)

OSHA:	15 mg/m <sup>3</sup> TWA (Total Dust)
	5 mg/m <sup>3</sup> TWA (Respirable fraction)
DFG MAK's:	4 mg/m <sup>3</sup> TWA (Inhalation fraction)
	1.5 mg/m <sup>3</sup> TWA (Respirable fraction)

Acute Effects:

LD50 (oral, rat):	7700 mg/kg
LD50 (skin, rabbit):	> 5 gm/kg

Chronic Effects: Long term exposure to this product may lead to dermatitis (red, itchy skin).

**SECTION 12 ECOLOGICAL INFORMATION**

No adverse information known

**SECTION 13 DISPOSAL CONSIDERATIONS**

Waste Disposal Methods: Dispose in accordance with Federal, State, and local regulations. Chemical additions or otherwise altering the material may make the MSDS incomplete or inappropriate. Waste characterization and disposal compliance is the responsibility of the party generating and disposing of the waste.

Additional Information: Not an EPA hazardous substance. Plan in advance for such an incident and have the necessary equipment available.

**SECTION 14 TRANSPORTATION INFORMATION**

DOT Proper Shipping Name:	Not Regulated
DOT Hazard Class:	NA
DOT Identification #:	NA

**SECTION 15 REGULATORY INFORMATION**

This material contains no chemical required to be identified under SARA 302, 313 and/or CERCLA.

SARA 311 & 312: This product is classified as an immediate health hazard, and fire and reactivity physical hazard.

RQ: None

TPQ: Default 10,000 lbs per SARA 302

**SECTION 16 OTHER INFORMATION**

4/10/08 Updates to sections

6/1/04 Previous update

The data in this Material Data Sheet relates only to the specific material designated and does not relate to its use in combination with any other material or process. The data contained is believed to be correct. However, since conditions of use are outside our control, it should not be taken as a warranty or representation for which Sentry Industries assume legal responsibility. This information is provided solely for your consideration, investigation, and verification. For additional information, contact our technical service department.